



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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July 14, 1986

TO: Board of Oil Gas and Mining
THROUGH: Lowell Braxton, Administrator Mineral Resource
Development and Reclamation Program
FROM: *gh* John J. Whitehead, Permit Supervisor/Reclamation
Hydrologist
RE: Executive Summary, Lisbon Valley Copper Mine,
PR0/037/032, San Juan County, Utah

Attached is the Executive Summary for the Lisbon Valley Copper Mine. Public notice has been given and the 30-day comment period will be completed on August 15, 1986.

To expedite the final approval on this matter, the Division requests that the Board approve the amount and form of the surety prior to the public comment period concluding. If no adverse comments are received at the end of the public comment period, the final approval will be given. If adverse public comments are received then the matter must be heard by the Board as required by Rule M-4.

djh
0844R-13

EXECUTIVE SUMMARY

Mine Name: Lisbon Valley Copper Mine I. D. No.: ACT/037/032
Operator: Kelmine Corporation County: San Juan
P. O. Box 1383 New/Existing: New
Moab, Utah 84532 Mineral Ownership: Fed. Patented
Telephone: (801) 259-6711 Surface Ownership: Fed./State
Contact Person: Melvin R. Swanson Lease No.(s):
Life of Mine: 15 Years Permit Term: 15 Years
Legal Description: Section 25, 26 and 36, Township 30 South, Range 25 East, SLBM

Mineral(s) to be Mined: Copper Ores
Mining Methods: Surface
Acres to be Disturbed: 122 Acres
Present Land Use: Mining, Grazing, Wildlife
Postmining Land Use: Grazing and Wildlife
Variances from Reclamation Standards (Rule M-10) Granted: Ten acres, comprised of slopes of the pit, will not be revegetated.

Soils and Geology:

Soil Description: Soils range from sandy to silty. Stripping depth for the waste dump area will be 2.5 feet.

pH: 8.6

Special Handling Problems: None known

Geology Description: Ores to be mined are from the Dakota formation.

Hydrology:

Ground Water Description: Groundwater levels observed during the drilling program appear to be well below mining levels.

Surface Water Description: The area is characterized by small ephemeral drainages.

Water Monitoring Plan: None (No water discharges are planned during operations.)

Ecology:

Vegetation Type(s); Dominant Species: Pinyon-Juniper and Sagebrush-Grassland
Pinyon, Juniper, Big Sagebrush, Indian Ricegrass

Percent Surrounding Vegetative Cover: Cover estimated for facilities areas:
Waste dump area-70%, Leach area-50%, Haul Road-10%

Wildlife Concerns: High priority deer winter range; also elk and bald eagle habitat; toxic pond water to be fenced.

Surface Facilities: Process and pre-treatment plant buildings; leach ponds, processing ponds

Mining and Reclamation Plan Summary: (See attached)

Surety:

Amount: \$84,724

Form: _____

Renewable Term: Annual

0800R-63

Lisbon Valley Copper Mine Operations and Reclamation Summary

During Operations:

- (1) Proposed mining will disturb approximately 122 acres over the life of the mine.
- (2) Ore will be taken from an abandoned open pit in Section 25 and disturb an additional 10 acres with pit expansion.
- (3) A waste dump covering an area of approximately 53 acres will be located in Section 26 with a process area for heap leaching ore located in Section 36.

Following Operations:

- (1) Of the 122 acres to be disturbed, all but ten acres (slopes of the pit) will be reclaimed.
- (2) All buildings, mill and process equipment will be removed from the site.
- (3) All concrete foundations and pads will be broken and buried.
- (4) The site will be recontoured, topsoiled and revegetated.